## **CLAIMS**

## What is claimed is:

1	1.	A (meth)acrylate resin comprising:	
2		20-8 5 % by weight	(meth)acrylate
3		10-40 % by weight	of a polymer soluble in (meth)acrylate
4		0.1-2 % by weight	paraffin
5		0-50 % by weight	hydroxy(meth)acrylate
6		0.1-2 % by weight	adhesion promoter.
1	2.	The (meth)acrylate resin as claimed in Claim 1, comprising:	
2		30-40 % by weight	(meth)acrylate
3		25-3 5 % by weight	of a polymer soluble in (meth)acrylate
4		0.5-1 %by weight	paraffin
5		5-40 % by weight	hydroxy(meth)acrylate
6		0.2-1.0 % by weight	adhesion promoter.
1	3.	The (meth)acrylate resin as claimed in claim 1, characterised in that the (meth)acrylate is	
2		methyl methacrylate.	
1	4.	The (meth)acrylate resin as claimed in claim 1, characterised in that the polymer soluble	
2		in (meth)acrylate comprises a (meth)acrylate homopolymer and/or a copolymer.	
1	5.	The (meth)acrylate resin as claimed in claim 4, characterised in that the homopolymer is	
2		polymethyl methacrylate.	
1	6.	The (meth)acrylate resin as claimed in claim 4, characterised in that the copolymer is a	
2		copolymer of methyl methacrylate and butyl methacrylate, methyl methacrylate and ethyl	
3		acrylate or vinyl chloride and vinyl acetate.	
1	7.	The (meth)acrylate resin as claimed in claim 5, characterised in that the copolymer is a	
2		copolymer of methyl methacrylate and butyl methacrylate, methyl methacrylate and ethyl	
3		acrylate or vinyl chloride and vinyl acetate.	
1	8.	The (meth)acrylate resin as claimed in claim 1, characterised in that the	
2		hydroxy(meth)acrylate is hyd	lroxyethyl methacrylate.

- 1 9. The (meth)acrylate resin as claimed in claim 1, characterised in that the (meth)acrylate
- 2 resin further contains 1-10 % by weight cross-linking agent, preferably 1-3 % by weight.
- 1 10. The (meth)acrylate resin as claimed in claim 9, characterised in that the cross-linking
- agent is ethylene glycol dimethacrylate, 1,4 butanediol dimethacrylate and/or tri-ethylene
- 3 glycol dimethacrylate.
- 1 11. The (meth)acrylate resin as claimed in claim 1, characterised in that the (meth)acrylate
- resin further comprises 0.1 to 2 % by weight defoamer, preferably 0.1-1.0 % by weight
- 3 (based on the (meth)acrylate resin).
- 1 12. The (meth)acrylate resin as claimed in claim 1, characterised in that the (meth)acrylate
- 2 resin comprises further conventional additives, such as 0.1-2 % by weight co-stabiliser
- and/or 0.01-0.1 % by weight stabiliser.
- 4 13. The (meth)acrylate resin as claimed in claim 12, characterised in that the (meth)acrylate
- resin comprises 0.02 to 0.07 % by weight stabiliser and/or 0.5-1.0 % by weight co-
- 6 stabiliser.
- 1 14. The (meth)acrylate resin as claimed in claim 12, characterised in that the stabiliser is 2,6
- 2 di-tert butyl-4-methyl phenol and the co-stabiliser is tri-(2,4 di-tert. butyl
- 3 phenyl)phosphite.
- 1 15. The (meth)acrylate resin as claimed in claim 13, characterised in that the stabiliser is 2,6
- 2 di-tert butyl-4-methyl phenol and the co-stabiliser is tri-(2,4 di-tert. butyl
- 3 phenyl)phosphite.
- 1 16. The (meth)acrylate resin as claimed in claim 1, characterised in that the (meth)acrylate
- resin further comprises 0.1-1.5 % by weight, preferably 0.4-0.8 % by weight, accelerator
- and 0.1-5 % by weight, preferably 2-4 % by weight initiator.
- 1 17. The (meth)acrylate resin as claimed in claim 16, characterised in that the accelerator is
- 2 methyl hydroxyethyl paratoluidine, dimethyl paratoluidine, dihydroxyethyl paratoluidine
- or dihydroxypropyl paratoluidine and/or that the initiator is benzoyl peroxide.
- 1 18. The (meth)acrylate resin as claimed in claim 1, characterised in that the paraffin
- 2 comprises a mixture of different paraffins with different softening points, especially
- paraffins with a softening point between 46 and 48° C, paraffins with a softening point
- between 52 and 54° C and paraffins with a softening point between 63 and 66° C.

- 1 19. The (meth)acrylate resin as claimed in claim 1, characterised in that the adhesion
- 2 promoter is a phosphoric ester, especially methacryloyl oxyethyl phosphate.
- 1 20. The (meth)acrylate resin as claimed in claim 1, characterised in that the viscosity of the
- 2 (meth)acrylate resin before curing is at least 250 mPa/s at D = 1,000 1/s or at least 300
- 3 mPa/s at D = 100 1/s.
- 1 21. The (meth)acrylate resin as claimed in claim 1, characterised in that colorants, such as
- 2 colour pigments or a dye paste, are also added to the (meth)acrylate resin.
- 1 22. A method of repairing a pipe utilizing the (meth)acrylate resin of claim 1 wherein the
- 2 method comprises applying the resin to the pipe to seal an opening.
- 1 23. The method of claim 22, characterised in that the pipe comprises material from one of the
- 2 group consisting of stoneware, concrete and plastic.
- 1 24. The method of claim 22 wherein the pipe is a sewer pipe.
- 1 25. The method of claim 23 wherein the pipe comprises polyvinyl chloride.